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//[迴文詞/Palindromes]
#define IN "P0307IN.txt"
#define OUT "P0307OUT.txt"
//***************
#include <iostream>
#include <time.h>
using namespace std;
void redir(void);
//****************
/* Work Space*/
char *rev = "A 3 HIL JM 0 2TUVWXY51SE Z 8 "; //注意空白字元的數目
char *meg[] = {"not a palindrome",
             "a regular palindrome",
             "a mirrored string",
             "a mirrored palindrome"};
char mirrored(char ch);//傳回字元的鏡像
//*************
int main(void)
   redir(); //redirection
//***************
/* Work Space*/
   char s[32];
   int length;
   int p, m;
   int i;
   while(scanf("%s", s) == 1){
       length = strlen(s);
      p = m = 1;
       for(i=0; i < (double)length/2; i++){//注意轉型
          if(p \&\& s[i] != s[(length-1)-i]){//short-circuit}
             p = 0;
          if(m \&\& mirrored(s[i]) != s[(length-1)-i]){
             m = 0;
       }
      printf("%s -- is %s.\n\n", s, meg[m*2+p]);
   }
//**************
   freopen("CON", "r", stdin); //取消重新導向
   freopen("CON", "w", stdout);
   printf("Time used = %.2f\n", (double)clock()/CLK_TCK); //傳回程式目前為止執行的時間
   system("pause");
   return 0; //the end...
}
void redir(void)
   freopen(IN, "r", stdin);
   freopen(OUT, "w", stdout);
//*************
/* Work Space*/
char mirrored(char ch) //傳回字元的鏡像
```

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{
    if(isalpha(ch)){
        return rev[ch-'A'];
    }else{
        return rev[ch-'0'+25];
    }
}
```